

25 (1)

06193

SOV/115-59-11-21/36

AUTHOR: Rusakov, A.I.

TITLE: A Device for Restoring Magnets ^{During} Instrument Repairs

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 11, pp 48-49

ABSTRACT: The author describes a simple device for re-magnetizing weakened permanent magnets of electrical measuring instruments. The weakening of the permanent magnets in electrical measuring instruments may be compensated by various methods which are not advisable in the author's opinion. The methods for restoring the magnetism described in literature are difficult to perform under shop conditions. A diagram of the device suggested by the author is shown in Fig 1. The circuit diagram is shown in Fig 3. The device consists primarily of two coils mounted on a yoke made of transformer sheet steel and a selenium disk rectifier. The author describes the component parts very briefly and gives some recommendation for re-magnetizing some instrument magnets. There are 1 circuit

Card 1/2

06193

SOV/115-59-11-21/36

A Device for Restoring Magnets / During Instrument Repairs

diagram and 2 diagrams.

Card 2/2

RUSAKOV, A.I.

Mechanization of the calibration in repairing measuring instruments.

Izm. tekhn. no. 2:70 Mr-Ap '57.

(MLBA 10:6)

(Calibration)

(Measuring instruments--Repairing)

RUSAKOV, A.K.

Limit snap gauge equipped with a hard-alloy plate. Stan. 1
instr. 36 no.7:39 J1 '65. (MIRA 18:8)

RUSANOV, A.K.
USSR/Optics - Optical Methods of Analysis. Instruments.

K-7

Abs Jour : Referat Zhur - Fizika, No 5, 1957, 13080

Author : Polyakov, P.M., Rusanov, A.K.

Inst : -

Title : Spectral Method of Determining Impurities in Vanadium Pentoxide.

Orig Pub : Izv. AN SSSR, ser. fiz., 1955, 19, No 2, 180-182

Abstract : A method of determining impurities in metallic vanadium, based on converting it into V_2O_5 with subsequent analysis of the V_2O_5 by the method of evaporation from the crater of the carbon electrode of a dc or ac arc. The sensitivity in the determination of $1 \times 10^{-3}\%$ for magnesium, cadmium, beryllium, manganese, copper, and tin, $3 \times 10^{-3}\%$ for aluminum, arsenic, and antimony, $1 \times 10^{-2}\%$ for iron, cobalt, nickel, silicon, chromium, bismuth, lead, and zinc, and $3 \times 10^{-2}\%$ for T/?/, tungsten, molybdenum, niobium, titanium, and zirconium.

Card 1/2

RUSAKOV, A.K.

Work practices of an experimental plant. Tekst.prom. 17 no.2:60-62
F '57. (MLRA 10:2)

1. Glavnyy inzhener liteyno-mekhanicheskogo zavoda Glavlenskhlloppro-
ma.

(Textile research)

RUSAKOV, A.K.; ROMANOV, Yu.G., konstruktor; FAYNBERG, Z.L.; CHATHINA, Ye.M.,
inzh.

Experience in spinning with by-passing of the roving process. Tekst.-
prom. 21 no.5:43-48 My '61. (MIRA 15:1)

1. Nachal'nik spetsial'nogo konstruktorskogo tyuro legkoy promy-
shlennosti Lensovnarkhoza (for Rusakov).
(Spinning machinery)

GALITSKIY, Boris Mikhaylovich; SEMERATOV, Vsevolod Nikolayevich;
SMIRNOV, Boris Konstantinovich; RUSAKOV, A.N., retsenzent;
SOKOLOV, I.A., red.

[Regulations for the performance of repair and construction
work; norms and estimates] Pravila proizvodstva remontno-
stroitel'nykh rabot, normy i rastsenki. Izd.3., ispr. 1
dop. Kiev, Budivel'nyk, 1965. 718 p. (MIRA 18:4)

PODISHVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V.[deceased];
IVANOV, N.A.; KACHALOV, N.N.; NEMKOV, G.P.; ONUFRIYEV,
I.A.; PERESLEGIN, V.I.; RUMYANTSEV, A.F.; RUSAKOV, A.N.;
SEменов, I.Ya.; STOMAKHIN, I.B.; FILIPPOV, V.F.;

[Economics of construction; a textbook] Ekonomika stroitel'stva; uchebnik. Moskva, Politizdat, 1964. 542 p.

(MIRA 18:8)

1. Kommunisticheskaya Partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

GALITSKIY, Boris Mikhaylovich; SEMIBRATOV, Vsevolod Nikolayevich;
SMIRNOV, Boris Konstantinovich; RUSAKOV, A.N., retsenzent;
SURYGINA, E., red.; SOSNOVSKAYA, G., red.; LEUSHCHENKO, N.,
tekhn. red.; YEREMINA, I., tekhn. red.

[Regulations for the performance of repair and construction
work; norms and estimates] Pravila proizvodstva remontno-
stroitel'nykh rabot, normy i rastsenki. Izd.2., perer. i
dop. Kiev, Gos.izd-vo lit-ry po stroit. i arkhitekt. USSR,
1963. 732 p. (MIRA 16:12)

(Building--Repair and construction)

PODISHVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V.; IVANOV, N.A.;
KACHALOV, N.N.; NEMKOV, G.P.; ONUFRIYEV, I.A.; PERESLEGIN, V.I.;
RUMYANTSEV, A.F.; RUSAKOV, A.N.; SEMENOV, I.Ya.; STOMAKHIN, I.B.;
FILIPPOV, V.F. Prinimal uchastiye VINOGRADOV, K.K. PODGORNOVA, V.,
red.; TROYANOVSKAYA, N., tekhn.red.

[Construction economics; textbook] Ekonomika stroitel'stva; uchebnoe
posobie. Moskva, Gos.izd-vo polit.lit-ry, 1960. 534 p.

(MIRA 14:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiy-
naya shkola. 2. Chlen kollegii TSentral'nogo statisticheskogo
upravleniya SSSR (for Vinogradov).

(Construction industry)

GOBERMAN, Maks Davydovich; RUSAKOV, Aleksey Nikitovich; SEMIBRATOV,
V.N., kand. tekhn. nauk, nauchn. red.

[Establishment of technical norms and estimates in construction] Tekhnicheskoe normirovanie i smety v stroitel'stve.
Moskva, Stroiizdat. Pt.1. [Technical and wage norms] Tekhnicheskoe i tarifnoe normirovanie. Izd.3., dop. 1964. 447 p.
(MIRA 17:8)

MITIN, Sergey Andreyevich; GOBERMAN, M.D.; MIKHAYLOV, P.D.; RUSAKOV, A.N.; SEMIBRATOV, V.N.; TORGONENKO, Ye.A.; GIROVSKIY, V.F., glav. red.; USPENSKIY, V.V., zam. glav. red.; BASHINSKIY, S.V., red.; GORDUSHIN, P.B., red.; IGUREVICH, M.S., red.; LEYKIN, B.P., red.; MALYUGIN, V.I., red.; BOGINA, S.L., red. izd-va; NAUMOVA, G.D., tekhn. red.

[Manual on labor and wages in construction] Spravochnik po trudu i zarabotnoi plate v stroitel'stve. Pod red. S.A.Mitina. Moskva, Gosstroizdat, 1962. 581 p. (MIRA 15:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'nyy institut ekonomiki stroitel'stva.
(Wages—Construction industry)

PODISHIVALENKO, P.D.; BALIKHIN, M.I.; BASHINSKIY, S.V.[deceased]; IVANOV, N.A.; KACHALOV, N.N.; NEMKOV, G.P.; ONUFRIYEV, I.S.; PERESLEGIN, V.I.; RUMYANTSEV, A.F.; RUSAKOV, A.N.; SEMENOV, I.Ya.; STOMAKHIN, I.B.; FILIPPOV, V.F.; PODGORNOVA, V., red.; TROYANOVSKAYA, N., tekhn. red.

[Economics of construction] Ekonomika stroitel'stva; uchebnik. Moskva, Gospolitizdat, 1962. 542 p. (MIRA 15:11)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Construction industry)

Rusakov, A.N.
BASHINSKIY, S.V.; GOBERMAN, M.D.; YEVTYUSHKINA, D.S.; MITIN, Sergey
Andreyevich; ~~RUSAKOV, A.N.~~; MASLOV, N.A., redaktor izdatel'stva;
PERSON, M.N., tekhnicheskii redaktor; EL'KINA, E.M., tekhnicheskii
redaktor.

[A reference book on labor and wages in the building trades]
Spravochnik po trudu i zarabotnoi plate v stroitel'stve. Izd.3-e,
perer.i dop. Moskva, Gos.izd-vo lit-ry po stroit.i arkhitekt., 1957.
507 p. (MIRA 10:11)

(Building trades)

(Wages)

KOMPANIYETS, N.D.; RUSAKOV, A.N., otv.red.; PEVZNER, A.S., zav.red.
izd-va; EL'KINA, E.M., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam. Sbornik 6. [Carpentry and cabinetwork] Plotnichnye i stoliarnye raboty. No.1. [Wooden construction elements of buildings and structures] Dereviannye konstruksii zdaniy i sooruzheniy. 1960. 47 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya (NIS) pri trete Dneprovskpromstroy (for Kompaniyets).
(Wages) (Building, Wooden)

NEKRASOV, N.V.; RUSAKOV, A.N., otv.red.; RUJAKOVA, N.I., tekhn.red.

[Standards and estimates for building and assembly work] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam. No.17. [Road construction] Dorozhnye raboty. 1960. 58 p. (MIRA 13:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Tsentral'naya normativno-issledovatel'skaya stantsiya Orgtransstroya Ministerstva transportnogo stroitel'stva (for Nekrasov).

(Road construction--Costs)

GOBERMAN, M.D.; MIRKIN, G.A.; RUSAKOV, A.N.; YUSHKOV, V.A.; SEMIBRATOV,
V.N., inzh., nauchnyy red.; MORSKOY, K.L., red.izd-va;
MEDVEDEV, L.Ya., tekhn.red.

[Handbook for norm-setters in the construction industry]
Spravochnik normirovshchika v stroitel'stve. Moskva, Gos.
izd-vo lit-ry po stroit., arkhitek. i stroit. materialam,
1959. 263 p. (MIRA 12:6)
(Construction industry)

RUSAKOV, A. P.

AUTHORS: Minaevan, T.S., Pal'chikov, G.P., Bolotov, L.T., Oreyannikov, P.V., Shumovskiy, V.G., Afanasenko, M.M., Rusekov, A.B. and KRYPANKO, Y.G.
SOV/65-59-A-8/14

TITLE: Investigations in the Gorky Plants on the Catalytic Purification of Middle Distillates Obtained During Thermo-Cracking Processes (Iz opyta raboty gosnaukhkh savodov po kataliticheskoy ochistke srednikh distillyatov termicheskogo krakingsa)

PERIODICAL: Khimiya i tekhnologiya topliv i masei, 1959, Nr 4, pp 44-48 (USSR)

ABSTRACT: The octane numbers of gasolines can be improved by catalytic cracking of the kerosene-gas-oil fractions, obtained during fractional distillation. This, however, seems unsatisfactory because these fractions are high quality starting materials for jet and diesel fuels etc. The middle fractions, obtained during thermal cracking, used as diluents, contain a high quantity of unsaturated hydrocarbons, which decrease the octane number. The quality of diesel fuels can be improved by using aluminum silicate catalysts and enriched secondary distillates. In this way, the consumption of unsaturated

Card 1/3

compounds is decreased and the octane number of the diesel fuels increased, whilst maintaining the standards required by GOST for diesel fuels. Tests were carried out on substances obtained after second distillation of the broad fraction and also by using mixtures of these substances. The kerosene fraction obtained during thermal cracking of the middle fractions of the gasolines are given in table 1 and the process conditions in table 2. Some high octane gasoline was obtained during this process. This was purified, washed and reacted with an 18 to 20% NaOH solution. After stabilisation it was purified again, treated with a 15 to 18% NaOH solution and washed. The stabilised pure gasoline had an octane number of 76. A catalyst of decreased activity (39 to 50) was used during the enriching process. The proportions of the aluminum silicate catalysts are given (table 3). Table 4 gives the hydrocarbon composition of the gas. The catalytic cracking of middle fractions can

Card 2/3

be carried out on existing cracking plants and it is pointed out that the deposition of coke does not exceed the allowed limits. There are 4 tables.

Card 3/3

RUSAKOV, A.P.

MINASYAN, T.S.; PAL'CHIKOV, G.F.; SEROV, V.V.; BOLOTOV, L.T.;
OVSYANNIKOV, P.V.; RUSAKOV, A.P.

Means for increasing raw material resources for the production of
diesel fuels. Azerb. neft.khoz. 36 no.9:33-36 S '57.

(MIRA 11:2)

(Diesel fuels)

S/081/61/000/021/068/094
B138/B101

AUTHORS: Bashilov, A. A., Pal'chikov, G. F., Zhukov, I. S.,
Minasyan, T. S., Rusakov, A. P.

TITLE: Separate production of gasoline and kerosene distillates in
thermal cracking plant

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 401, abstract
21M76 ([Tr.] Groznensk. nef. in-t, sb. 24, 1960, 3-7)

TEXT: On the basis of work carried out in the thermal cracking units of
the Grozny Cracking Plant, a modification has been developed and the
partial reconstruction of the units is proposed. To permit the separate
production of automobile gasoline and tractor kerosene on a unit with
one rectification column, it is suggested that the rectifying unit should
be changed and a stripping tower, a cooler for the kerosene fraction, and
pump and cooler for the circulating reflux introduced. The processing
cycle remains unchanged for the furnace, evaporator and supplementary
evaporator. The reconstruction proposed would be highly beneficial
economically. [Abstracter's note: Complete translation.]
Card 1/1

EXCERPTA MEDICA Sec 5 Vol. 10/11 Pathology Nov 57

RUSAKOV A.V.
3343. RUSAKOV A.V. *Pathogenesis and development of anaerobic
post-abortion infections (Russian text) ARKH.PATOL. 1957,
19/2 (20-23)

Gas infection of the uterus after abortion is a strictly limited gangrenous process at the site of the foetal residue in the uterus. Although there is bacterial invasion (Bact. perfringens) with severe toxicosis, bacterial metastases do not develop. In the uterus, the local necrosis is surrounded by a wall of leucocytes. If perforation into the abdominal cavity takes place, this is without gas formation and inflammatory phenomena; neither does intestinal paralysis develop. Even in acute fatal cases, there are numerous B. perfringens in the small quantity of haemorrhagic exudate in the pelvis. The uterine wall presents marked oedema. Moreover,

3393

massive haemolysis occurs, which often leads to death with uraemic phenomena. Penicillin therapy has led to few changes in the pathological course and does not protect from haemolysis. It is important to remove the putrefying abortion rest as early as possible.
Brandt - Berlin (V, 10*)

RUSAKOV, A. V.

EXCERPTA MEDICA Sec.5 Vol.10/3 Gen.Pathology Mar 57

909. RUSAKOFF A. V. Inst. Sklifosoff, Moscow * The so-called general signs of asphyctic death (Russian text) ARKH. PATOL. 1956, 18/3 (47-53)

(1) The general signs of death after asphyxia correspond to those of sudden death.

909

CONT.

(2) Extravasations of the face, the conjunctiva and the superior part of the body point to an impairment of the circulation above a compression of the venous trunks, and not to asphyxia. (3) The punctate haemorrhages are caused by a permeability of the capillary walls and a mechanical influence on these. The haemorrhages in the serous membranes of the thoracic organs are due to suction of the lungs and cardiac movements. (4) The reports in the literature on splenic anaemia in asphyxia originate from animal experiments (in animals, the spleen has stronger muscles) and do not apply to man. (5) In only a few cases of asphyxia, the right ventricle was filled with blood. (6) Acute pulmonary emphysema is also observed in only a few forms of asphyxia - drowning and foreign bodies in the respiratory tract.

Brandt - Berlin

RUSAKOV, A.V. (g. Ivanovo); ORNSHTEYN, E.G.

Classification of accidents and some terms used in traumatology.
Ortop.travm. i protez. 18 no.6:60-61 N-D '57. (MIRA 11:4)

1. Zaveduyushchiy Isakovskim sel'skim vrachebnym uchastkom, MSSR.
(for Ornshteyn)
(ACCIDENTS--CLASSIFICATION)

RUSAKOV, Arseniy Vasil'yevich; STRUKOV, Anatoliy Ivanovich, otv.red.;
VINOGRADOVA, T.P., red.

[Pathological anatomy of diseases of the bones] Patologicheskaya
anatomia boleznei kostnoi sistemy. Moskva, Medgiz, 1959. 1 v.
(MIRA 13:7)

(BONES--DISEASES)

EXCERPTA MEDICA Sec.10 Vol.11/6 Obst. & Gyne June 58

RUSAKOV, A.V.

924. PATHOGENESIS AND DEVELOPMENT OF ANAEROBIC POST-ABORTIVE INFECTIONS (Russian text) - Rusakov A. V. - ARKH. PATOL. 1957, 19/2 (20-23)

Gas infection of the uterus after abortion is a strictly limited gangrenous process at the site of the foetal residue in the uterus. Although there is bacterial invasion (Bact. perfringens) with severe toxicosis, bacterial metastases do not develop. In the uterus, the local necrosis is surrounded by a wall of leucocytes. If perforation into the abdominal cavity takes place, this is without gas formation and inflammatory phenomena; neither does intestinal paralysis develop. Even in acute fatal cases, there are numerous B. perfringens in the small quantity of haemorrhagic exudate in the pelvis. The uterine wall presents marked oedema. Moreover, massive haemolysis occurs, which often leads to death with uraemic phenomena. Penicillin therapy has led to few changes in the pathological course and does not protect from haemolysis. It is important to remove the putrefying abortion rest as early as possible.

Brandt - Berlin (V, 10)

RUSAKOV, A.V. [Deceased], (Moskva)

The so-called general syndrome of asphyxial death. Arkh.pat. 18
no.3:47-53 '56 (MIRA 11:10)

1. Iz patologoanatomicheskogo otdela Instituta imeni Sklifosovskogo.
(ASPHYXIA, pathol.
medicolegal aspects of general symptoms of death (Rus))

RUSAKOV, A.V., prof. [deceased]

Introduction to the study of infection [with summary in English]. Arkh.
pat. 20 no.4:4-11 '58. (MIRA 11:5)

(INFECTION,
mechanism & develop. process (Rus)

RUSAKOV, A.V. [deceased] (Moskva)

Pathogenesis and development of anaerobic pestabortive infection.
Ark. pat. 19 no.2:20-23 '57 (MLRA 10:4)

1. Iz patologoanatomicheskogo otdela Instituta imeni
Sklifosovskogo (dir.-zasluzhennyy vrach RSFSR M.M. Tarasov)
(ABORTION, compl.
anaerobic infect.)
(INFECTION, etiol. and pathogen.
abortion causing anaerobic infect)

BASHINSKIY, S.V.; GOBERMAN, M.D.; YEVTYUSHKIN, D.S.; MITIN, S.A.; HUSAKOV, A.N.; MASLOV, N.A., redaktor izdatel'stva; PERSON, M.N., tekhnicheskii redaktor

[A reference book on labor and wages in the building trades] Spravochnik po trudu i zarabotnoi plate v stroitel'stve, Izd. 2-oe, perer. i dop. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956.
420 p. (MLRA 10:1)

(Wages) (Building trades)

GOBERMAN, M.D.; RUSAKOV, A.N.; SEMIBRATOV, V.N., redaktor; TARAYEVA, Ye.K.,
redaktor izdatel'stva; EL'KINA, E.M., tekhnicheskii redaktor

[Establishment of technical norms and calculations in the construction
industry] Tekhnicheskoe normirovanie i smety v stroitel'stve.

Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture. Pt.1.

[Technical and wage norms] Tekhnicheskoe i tarifnoe normirovanie.
1956. 242 p. (MIRA 10:3)

(Wages) (Construction industry—Production standards)

GOBERMAN, M.D.; RUSAKOV, A.N.; RAGINSKIY, S.A., redaktor.

[Setting up labor and wage norms in construction] Normirovanie
truda i zarabotnoi platy v stroitel'stve. Moskva, Gos. izd-vo
lit-ry po stroitel'stvu i arkhitekture, 1953. 243 p. (MLRA 7:2)
(Construction industry) (Transportation, Automotive) (Lumbering)

IPATOV, V.; NOVIK, G.; RUSANOV, B.; STEPANOV, Yu.; LANSKOY, V.; IVANOV, A.

Sports news. Kryl. rod. 15 no.7:27 J1 '64.

(MIRA 18:1)

ABSTRACT : PLANT DISEASES. Diseases of Cultivated Plants.⁰

REF. JOUR. : Ref Zhur-Biologiya, No. 5, 1959, No. 20615

AUTHOR : Rusakov, B.
INST. : Moscow Agric. Acad. imeni K.A. Timiryazev
TITLE : Bacterization and Seed Treatment in Wheat
Bunt Control in Altaiskiy Kray.

ORIG. PUB. : Sb. stud. nauchno-issled. rabot Mosk. s.-
kh. akad. im. K.A. Timiryazeva, 1958, vyp.8,
240-246

ABSTRACT : Preplanting bacterization of wheat seeds
(Cesium 111 variety artificially infected
with bunt) with phosphobacterin and silicate
bacteria cut the spread of wheat bunt in the
sowings by 11-12%. Superphosphate applied
by the preplanting seed powdering technique
had a greater anti-bunt effect, acting more
like a fungicide than fertilizer. Among the
various preparation which were tried out,
including granosan, TMTD (tetramethylthiuram

*(Thiurad)

CARD : 1/2

ABSTRACT : PLANT DISEASES.

REF. JOUR. : Ref Zhur-Biologiya, No. 5, 1959, No. 20615

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001446110008-6"

INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : disulfide), mercuran and "thiuchlorane"
(a new preparation composed of a thiurad
base enriched with gamma isomer BHC), the
best in regard to effective action proved
to be the organic sulfides. --Ye.S.Arutyunyan

CARD : 2/2

VILKOV, G.S., dotsent; RUSAKOV, E.I., 1pzh.

Automatic control of the loading of technological equipment.
Vest. mashinost. 44 no. 5s76-77 My '64. (MIRA 1786)

ACCESSION NR: AR4032168

S/0058/64/000/002/B021/B021

SOURCE: Ref. zh. Fiz., Abs. 2B194

AUTHOR: Rusak, B. I.

TITLE: Possibility of intuitive interpretation of some properties of elementary particles

CITED SOURCE: Uch. zap. Tashkentsk. gos. ped. in-t, v. 38, 1963, 177-190

TOPIC TAGS: elementary particle, isospin, strangeness, intrinsic parity, magnetic moment, charged pion, charged kaon, kaon mass, hyperon parity, antiparticle, neutrino, antineutrino, helical model

TRANSLATION: An original model is considered for the structure of elementary particles, yielding a connection between the mechanical and magnetic moments and their isospin, strangeness, and intrinsic

Card 1/2

ACCESSION NR: AR4032168

parity. The proposed model makes it possible to predict some properties of elementary particles: (a) the presence of magnetic moments in $\pi^{\pm}$ and $K^{\pm}$ mesons; (b) the presence of two variants of the K-meson mass; (c) the values of hyperon parities. It makes it possible to calculate (although approximately) the magnetic moments of nucleons without introducing an arbitrary quantity -- the time of the dissociated state. The difference between the particles and antiparticles is given by this model without introducing artificial concepts of nucleonic charges and the like, reducing this difference to types of helical motion of the neutrino and antineutrino, which are contained in all the elementary particles. It is assumed that this model can serve as a good basis for calculations of both the interaction forces within the elementary particles and its stability.
L. I.

DATE ACQ: 31Mar64

SUB CODE: PH

ENCL: 00

Card 2/2

RUSAKOV, B.I.

"AKRO" is automatic control of the performance of equipment.
Mashinostroitel' no.8:6-8 Ag '63. (MIRA 16:10)

RUSAKOV, D.A.; LOMANOV, F.K.

Economic efficiency due to the reconstructed Moscow-Noginsk
highway. Avt. dor. 19 no.10:8-9 0 '56. (MLRA 9:12)

(Roads)

RUSAKOV, D.F.

Morphology and possible ways of the formation of Tertiary fold structures in Sakhalin. Trudy VNIGRI no.224:279-294 '63. (MIRA 17:2)

RUSAKOV, D.F.; ZOLIN, Ya.I.

Manifestations of Upper Tertiary volcanism in the Tym'Poronary
Lowland. Trudy VNIIGRI no.181:161-170 '61. (MIRA 15:2)
(Tym'-Poronay Valley--Volcanic ash, tuff, etc)

RUSAKOV, Dmitriy Mikhaylovich; KATAYEV, Anatoliy Timofeyevich;
DEMIN, Konstantin Konstantinovich; ROGACHEVSKAYA,
Nina Kirillovna; PANKRASHOV, A.P., red.

[Multipurpose utilization of lumber] Kompleksnoe ispol'-
zovanie drevesiny. Petrozavodsk, Karel'skoe knizhnoe izd-
vo, 1963. 121 p. (MIRA 17:6)

RUGAKOV, F. F.

"Diseases of Northern Wheat and Their Control," Seleksiia i Semenovodstvo,
no. 6, 1934, 30-33. 61.9 Se5

So: Sira S1-90-53, 15 Dec. 1953

MUSIN, A.Ch. [deceased]; YEROFEYEV, N.P.; CHABDAROVA, O.I.; RUSAKOV, G.D.;
GABBASOVA, N.A.

Determining the supportability of massive and support pillars as
applicable to the conditions of the Dzhezkazgan Mine. Izv. AN Ka-
zakh. SSR. Ser.tekh. i khim.nauk no.3:69-76 '64. (MIRA 17:2)

MUSIN, A.Ch.; CHABDAROVA, Yu.I.; RUSAKOV, G.D.

Methodology of determining the elastic properties of rocks
using an electronic strain gauge. Trudy Inst. gor. dela AN
Kazakh. SSSR 10:128-136 '63. (MIRA 16:8)

(Strain gauges) (Rocks---Elastic properties)

RUSAKOV, G.I.

Brightness fluctuations of the Milky Way and physical characteristics
of diffuse nebulae. Uch.zap.Len.un. no.116:53-79 '49.

(MLRA 10:3)

(Milky way) (Nebulae)

SHTIL'MAN, Ye.I., kand.tekhn.nauk; BARINGOL'TS, A.Z., inzh.; RUSAKOV,
G.I., inzh.

Eight-span bridge built of prestressed composite beams. Avt.
dor. 23 no.2:11-12 F '60. (MIRA 13:5)
(Kiev Province--Bridges, Concrete)

SOV/97-58-8-7/13

AUTHOR: Rusakov, G. I., Engineer.

TITLE: Construction of Bridge From Prestressed Reinforced Concrete Sectional Beams (Stroitel'stvo mosta iz predvaritel'no napryazhennykh zhelezobetonnykh chlenennykh balok)

PERIODICAL: Beton i Zhelezobeton, 1958, Nr.8, pp 305 - 306 (USSR)

ABSTRACT: Road bridge illustrated in Fig.1, built in 1957, is an example of economical design and construction using prestressed reinforced beams in sections. Each arch consists of six beams spanning 15 m. Each of these beams consists of six sections up to 3 m long weighing up to 3-tons. The beam sections are joined by dry method. The transverse joins of beams are welded. Each beam is reinforced by 4 batches: 3 in the lower section and 1 in the upper section (Fig.2). In the 4 middle beams all the batches are positioned in open grooves. In the 2 outer beams 2 batches are situated in lower and 2 in upper grooves, and the 3rd lower batch is situated in the opening left in the concrete. Each batch consists of 27 wires of 5 mm diameter.

Card 1/3

SOV/97-58-3-7/13

Construction of Bridge From Prestressed Reinforced Concrete Sectional Beams

The limit of strength of this reinforcement is 17,000 kg/cm² (GOST 7348-55). The ends of batches are fixed using anchors type Korovkin. These consist of seamless steel tube of 158 mm with walls 5 mm thick. The tensioning of batches is carried out by hydraulic jacks of 60-ton capacity from both sides of the beam. After the reinforcement is tensioned, the grooves are filled by cement grout. The sectional beams were cast in the workshop of the Trust for Mechanisation of Agriculture in Kiev, which is 205 km away from the site of the bridge, and the cast units were transported by road on lorries ZIS-150 and MAZ-200. Crane K-32 of 3-ton capacity was used for lifting of these units. Fig.2 illustrates construction of the sectional beam spanning 15 m as well as the reinforcement. Fig.3: the lifting of blocks using crane K-32. The tensioning takes place when the concrete reaches 70% of its final strength. Fig.4 illustrates assembly of sections of the beam.

Card 2/3

SOV/97-58-8-7/13

Construction of Bridge From Prestressed Reinforced Concrete Sectional Beams

Loading tests carried out after completion of the bridge showed the high degree of strength of this construction. There are 4 Figures.

Card 3/3

RUSAKOV, G.I., inzh.

Bridge built of prestressed reinforced concrete sectional beams.
Bet.1 zhel. bet. no. 8:305-306 Ag '58. (MIRA 11:8)
(Bridges, Concrete)

30703. RUSAKOV, G. I.

Flyuktuatsii yarkosti mlechnogo puti i fizicheskiye kharakteristiki
diffuznykh tumannostey. Uchen. zapiski (Leningr. gos. un-t. im. zhdanova),
Seriya matem. nauk, vyp. 18, 1949, c. 53-79. -- Bibliogr: 10 Nazv.

RUSAKOV, G. K.

Persepektivnoe planirovanie v kol'kh zakh / Long-range planning on
collective farms /. Moskva, Sel'khozgiz, 1953. 418 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 2 May 1954.

RUSAKOV, G. K.

N/5
722.101
.R92

V ryady peredovykh kolkhozov (Into the ranks of progressive collective farms) Moskva,
Sel'khozgiz, 1954.
211 p. tables.

RUSAKOV, Georgiy Kuz'mich, kand. sel'skokhozyaystvennykh nauk; MILYAVSKIY,
Il'ya Osipovich, kand. sel'skokhozyaystvennykh nauk; KATSNEL'SON,
S.M., red.; BERLOV, A.P., tekhn. red.

[Economic accountability system on collective farms] Khoziaistvennyi
raschet v kolkhozakh. Moskva, Izd-vo "Znanie," 1958. 31 p. (Vsesoiuz-
noe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy.
Ser.5, no.19). (MIRA 11:8)

(Collective farms--Accounting)

RUSAKOV, Georgiy Kuz'mich, kand.sel'skokhoz.nauk; KATSNEL'SON, S.M.,
red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Internal economic planning on collective farms] Vnutri-
khoziaistvennoe planirovanie v kolkhozakh. Moskva, Izd-vo
"Znanie," 1960. 47 p. (Vsesoiuznoe obshchestvo po raspro-
straneniuiu politicheskikh i nauchnykh znani. Ser.5, Sel'skoe
khoziaistvo, no.22). (MIRA 13:11)
(Collective farms)

RUSAKOV, G.K., nauchnyy sotrudnik; MILYAVSKIY, I.O., nauchnyy sotrudnik;
ARINA, A.Ye., nauchnyy sotrudnik; PANKOVA, K.I., nauchnyy sotrudnik;
KHABAROV, N.F., nauchnyy sotrudnik. Prinsipialni uchastiye: PAVLOVA,
N.G.; VIATCHININA, V.G.; VARFOLOMEYEVA, M.M. TIKHONOVA, Ye.M., red.;
GUREVICH, M.M., tekhn.red.; DEYEVA, V.M., tekhn.red.

[Economic accountability on collective farms; regulations and
methods of introduction] Vnutrikhoziaistvennyi raschet v kolkhozakh;
primernoe polozhenie i metodika vnedreniya. Moskva, Gos.izd-vo
sel'khoz.lit-ry, 1960. 71 p. (MIRA 14:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki
sel'skogo khozyaystva. 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut ekonomiki sel'skogo khozyaystva (for Rusakov, Milyavskiy,
Arina, Pankova, Khabarov).
(Collective farms--Accounting)

GORYACHKIN, M.I., kand.ekon.nauk, nauchnyy sotrudnik; RUSAKOV, G.K.,
kand.sel'skokhoz.nauk, nauchnyy sotrudnik; MASHKEVICH, N.G.,
kand.sel'skokhoz.nauk, nauchnyy sotrudnik; KLADCHIKOV, S.M.,
kand.sel'skokhoz.nauk, nauchnyy sotrudnik; NOVOZHILOV, V.F.,
kand.sel'skokhoz.nauk, nauchnyy sotrudnik; ALEKSANDROV, N.P.,
kand.sel'skokhoz.nauk; BUTKEVICH, B.G., kand.sel'skokhoz.
nauk; KORNEV, K.G., kand.sel'skokhoz.nauk; GREBTSOV, P.P.,
red.; PEVZNER, V.I., tekhn.red.; TRUKHINA, O.N., tekhn.red.

[Plotting technological charts] Kak sostavit' tekhnologicheskie
karty. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 78 p.
(MIRA 14:2)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
ekonomiki sel'skogo khozyaystva. 2. Vsesoyuznyy nauchno-isse-
dovatel'skiy institut ekonomiki sel'skogo khozyaystva (for
Goryachkin, Rusakov, Mashkevich, Kladchikov, Novozhilov).
(Farm management)

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.;
GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.; SUKACH,
P.V.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.; SAVEL'YEV, Ye.A.;
MOTOV, S.I.; RUSAKOV, G.K.; IVANOV, F.G.; FISKUNOV, V.,
red.; POLYAKOVA, N., red.; MUKHIN, Yu., tekhn. red.

[Economics of agricultural enterprises; textbook] Ekonomika
sel'skokhoziaistvennykh predpriyatii; uchebnoe posobie. Mo-
skva, Gospolitizdat, 1962. 510 p. (MIRA 15:9)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola.
(Farm management)

RUSAKOV, G.K., kand.sel'skokhoz.nauk; SUBBOTIN, V.P., kand.ekon.nauk;
LIPATOVA, V.A., kand.ekon.nauk; ARINA, A.Ye., kand.sel'skokhoz.
nauk; KORENYUGIN, G.T., mladshiy nauchnyy sotrudnik; PANKOVA,
K.I., aspirantka; KLADCHIKOV, S.M., otv.red.; KOLYCHEV, L.I.,
red.; SVIADOSTS, Yu.I., red.

[Accounting on collective farms when business accounting is in
use] Bukhgalterskii uchet v kolkhozakh pri vnedrenii khozrasche-
ta. Moskva, 1960. 246 p. (MIRA 13:5)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki
sel'skogo khozyaystva. 2. Zaveduyushchiy otделom ekonomiki i orga-
nizatsii proizvodstva kolkhozov Vsesoyuznogo nauchno-issledovatel'sko-
go instituta ekonomiki sel'skogo khozyaystva (for Rusakov). 3. Otdel
ekonomiki i organizatsii proizvodstva kolkhozov Vsesoyuznogo nauchno-
issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for
Subbotin, Lipatova, Arina). 4. Kashirskiy opornyy punkt Vsesoyuznogo
nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva
(for Korenyugin). 5. Vsesoyuznyy nauchno-issledovatel'skiy institut
ekonomiki sel'skogo khozyaystva (for Pankova).
(Collective farms--Accounting)

TULUPNIKOV, A.I.. Primali uchastiye: BAKULIN, I.I.; VIKHLYAYEV, A.P.;
DUBOROV, N.T.; KABANOV, P.N.; PIS'MENNY, I.G.; POPOV, N.I.;
SOLOV'YEV, A.V., prof., doktor ekon.nauk, retsenzent; MAKAROV, H.P.,
prof., doktor ekon.nauk, retsenzent; GORYACHKIN, M.I., kand.nauk,
retsenzent; OKHAPKIN, K.A., kand.nauk, retsenzent; RUSAKOV, G.K.,
kand.nauk, retsenzent; MURATOV, D.G., kand.nauk, retsenzent; CHERE-
MUSHKIN, S.D., kand.nauk, retsenzent; TOLOV, V.V., retsenzent.

[Economic basis for agricultural administration] Voprosy ekonomii
cheskogo obosnovaniia sistem vedeniia sel'skogo khoziaistva. Moskva,
1960. 275 p. (MIRA 13:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki
sel'skogo khozyaystva. 2. Vsesoyuznyy nauchno-issledovatel'skiy insti-
tut ekonomiki sel'skogo khozyaystva (for Bakulin, Vikhlyayev, Duborov,
Kabanov, Pis'menny, Popov.)
(Farm management)

RUSAKOV, G.K., kand.sel'khoz. nauk; VARENITSA, Ye.T., doktor biolog. nauk, red.;
PISAREV, V.Ye., doktor sel'khoz. nauk, red.; BENEVOL'SKIY, S.A.,
kand. sel'khoz. nauk, red.; RUDAKOV, G.F., laureat Stalinskoy pre-
mii, inzh., red.; DOBROKHOTOV, G.N., kand. sel'khoz. nauk, red.; RU-
MYANTSEV, A.T., red.; ROSSOSHANSKAYA, V.A., red.; PEVZNER, V.I.,
tekhn. red.

[Handbook for agronomists of the non-Chernozem Zone] Spravochnik agro-
noma nechernozemnoi polosy. Moskva, Gos. izd-vo sel'khoz. lit-ry.
Vol.1. 1960. 687 p. (MIRA 14:7)

(Agriculture)

RUSAKOV, Georgiy Kuz'mich, kand.sel'skokhoz.nauk; MILYAVSKIY, Il'ya
Osipovich, kand.sel'skokhoz.nauk; KHABAROV, Nikolay Fedorovich,
agronom-ekonomist; POTAPOV, Kh.Ye., red.; PONOMAREVA, A.A.,
tekhn.red.

[Planning and business accounting in brigades and sections of
collective farms] Planirovanie i khoziaistvennyi raschet
v brigadakh i na fermakh kolkhoza. Moskva, Gosplanizdat, 1961.
190 p. (MIRA 14:2)

(Collective farms--Finance)

RUSAKOV, G.K., kand. sel'khoz. nauk; MILYAVSKIY, I.O., kand. sel'khoz. nauk; SHILKO, V.P., kand. sel'khoz. nauk; MARTINENAS, A.N.; BELINSKIY, A.I., agr.-ekonom.; KARPUSHENKO, A.I., agr.-ekon. [deceased]; POSHITNYY, V.M., ekonom.; PANCHENKO, Ya.I., agr.-ekonom.; KVACHEV, V.M., agr.-ekonom.; SOBOLENKO, V.S.; KRAVTSOV, D.S., agronom.; LYSOV, V.F., ekonom.; SHLYAKHTIN, V.I., kand. ekon. nauk; TSYBUL'KO, F.Ye.; ORIKHOVSKIY, I.G., agr.-ekonom.; TATUREVICH, N.M., agr.-ekonom.; GARMASH, I.I.; NOSACHENKO, V.F., inzh.-ekonom.; MUKHTISULLIN, Sh.M., agr.-ekonom.; ROZENTSVAYG, A.L., agr.-ekonom.; BERLIN, M.Z., dots.; IVANOV, K.I., agr.-ekonom.; SILIN, A.G., ekonom.; LIKHOT, I.K.; CHANOV, G.I., kand. ekon. nauk; MIKHAYLOV, M.V., kand. ekon. nauk; GORELIK, L.Ya., red.

[Planning and economical operation on collective farms]
Planirovanie i rezhim ekonomii v kolkhozakh. Moskva,
Ekonomika, 1965. 258 p. (MIRA 18:5)

1. Zaveduyushchiy otделom ekonomiki i organizatsii kol-
khozного proizvodstva Nauchno-issledovatel'skogo insti-
tuta ekonomiki sel'skogo khozyaystva Litovskoy SSR (for
Martinenas). 2. Zaveduyushchiy otделom Stavropol'skogo
krayevogo komiteta KPSS (for Likhот).

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.;
GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.;
SUKACH, A.F.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.;
SAVEL'YEV, V.A.; RUSAKOV, G.K.; IVANOV, F.G.; POLYAKOVA, N.,
red.; MUKHIN, Yu., tekh.n.red.

[Economics of agricultural enterprises] Ekonomika sel'sko-
khoziaistvennykh predpriatii; uchebnoe posobie. Izd.2.,
dop. Moskva, Politizdat, 1963. 527 p. (MIRA 17:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola.

(Agriculture--Economic aspects)

ABRAMOV, V.O., nauchn. sotr.; CHAYKIN, O.F., nauchn. sotr.;
 ABATURIN, L.V., nauchn. sotr.; GAVRILOV, V.I. [Havrylov,
 V.I.], nauchn. sotr.; ALTAYSKIY, I.P. [Altais'kyi, I.P.],
 nauchn. sotr.; KAMINSKIY, O.IE. [Kamins'kyi, O.IE.],
 nauchn. sotr.; RUMYANTSEV, O.IE., nauchn. sotr.;
 SUKACH, P.V., nauchn. sotr.; VASIL'YEV, V.M. [Vasyl'iev,
 V.M.], nauchn. sotr.; KOTOV, G.G. [Kotov, H.H.], nauchn.
 sotr.; BOLENSKIY, K.P. [Obolens'kyi, K.P.], nauchn. sotr.;
 SAVEL'YEV, Ye.O. [Savel'iev, IE.O.], nauchn. sotr.; MOTOV,
 S.I., nauchn. sotr.; RUSAKOV, G.K. [Rusakov, H.K.], nauchn.
 sotr.; YEVDOKIMENKO, V.P. [IEvdokymenko, V.P.], red.;
 SKVIRSKAYA, M.P. [Skvyrs'ka, M.P.], tekhn. red.

[Economics of agricultural enterprises] Ekonomika sil'sko-
 khospodars'kykh pidpriemstv; navchal'nyi posibnyk. Kyiv,
 Derzhpolitydav URSR, 1963. 469 p. (MIRA 16:10)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
 partiynaya shkola.

(Agriculture--Economic aspects)

BADIR'YAN, G.G., prof.; VASIL'YEV, N.V., prof.; KOTOV, G.G., prof.;
RUDAKOVA, Ye.A., prof.; BRAGINSKIY, B.I., doktor ekon.nauk;
GUMEROV, M.N., dots.; ROMANCHENKO, A.V., doktor ekon. nauk;
ABRAMOV, V.A., dots.; ALTAYSKIY, I.P., kand. ekon. nauk;
GAVRILOV, V.I., dots.; RAFIKOV, M.M., kand.ekon. nauk;
VINOKUR, R.D., dots.; RUSAKOV, G.K., dots.; LAVRENT'YEV,
V.N., dots.; GORELIK, L.Ya., red.; PONOMAREVA, A.A., tekhn.
red.

[Economics, organization and planning of agricultural produc-
tion] Ekonomika, organizatsiya i planirovanie sel'skokho-
ziaistvennogo proizvodstva. Moskva, Ekonomizdat, 1963. 607 p.
(MIRA 16:11)

(Agriculture--Economic aspects)

VOROPAY, N.M., inzh.; OSICHEV, V.P., inzh.; RUSAKOV, G.M., inzh.

Welding armature bodies for large electric motors. Svar.proizv.
no.11:33-34 N '62. (MIRA 15:12)

1. Khar'kovskiy zavod "Elektrot'yazhmash" im. V.I. Lenina.
(Electric motors—Welding)

RUSAKOV, I.

Analyzing fires. Pozh.delo 3 No.6:6 Je '57
(Fires)

(MLRA 10:7)

RUSAKOV, G.K.; YANOVICH, N.G.

[Seven-year plan of the Ordzhonikidze Collective Farm] Semi-
letnii plan kolkhoza imeni Ordzhonikidze. Kaluga, Kaluzhskoe
knizhnoe izd-vo, 1959. 214 p.

(MIRA 14:3)

(Collective farms)

SOKOLOV, A. (Krasnogorsk, Moskovskaya oblast'); RUSAKOV, I. (Moskva).

Fire extinction headquarters. Pozh. delo 4 no.6:18 Je '58.
(Fire extinction) (MIRA 11:5)

RUSAKOV, I., inzh.

For convenience of workers. Prom. koop. 12 no.8:11 Ag '58.
(MIRA 11:9)

1.Oblrembytpromsoyuz, g. Kirov.
(Slobodsk--Cooperative Societies)

RUSAKOV, I.

RUSAKOV, I.

The network of service enterprises is spreading. Prom.koop. no.4:
34-35 Ap'55. (MLRA 8:11)

1. Inzhener proizvodstvennogo otдела oblpromsoвета, g.Kirov
(Kirov Province--Service industries)

KIKIN, A.I.; RUSAKOV, I.F.; KOYENMAN, M.Kh.

Aspects of the functioning of longitudinal monitors arranged
along the center rows of columns of industrial buildings. Izv.vys.-
uch.zav.; stroi. i arkhitekt. 5 no.4:70-74 '62. (MIRA 15:9)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni inzhenerno-stroi-
tel'nyy institut imeni V.V.Kuybysheva.
(Factories—Design and construction)

FUSAKOV, I. G.

Physics

"Methods of acoustic measurements," Iz. Ak. Nauk SSSR Ser. Fiz., 13, No. 6, 1949.

KALUZHINOVA, N.A.; RUSAKOV, I.G.

Acoustio-measurements in water. Trudy VNIIM no.13:77-99 '53.
(MIRA 11:6)

(Underwater acoustics--Measurements)

RUSAKOV, I.G.

Thermodynamic correction in the method of "pump" (piston-
phone). Trudy Kom. po akust. 8:76-81 '55. (MIRA 8:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D. I. Mendeleyeva.
(Acoustics)

Rusakov, I. G.

534.11/.12
4896. EQUIVALENT LAY-OUTS FOR ELEMENTS OF
OSCILLATORY SYSTEMS WITH DISTRIBUTED CONSTANTS.
I.G. Rusakov.
Akust. Zh., Vol. 1, No. 3, 272-3 (1955). In Russian.
The author considers how to represent components of
oscillatory systems with distributed constants, e.g. rods,
membranes, tubes etc. over certain frequency ranges, by
means of elements with concentrated characteristics.
C.R.S. Manders

VEKLENKO, A.F., kand.tekhn. nauk; RIMSKIY-KORSAKOV, A.V., doktor fiz.-
matem.nauk, prof.; RUSAKOV, I.G., kand. fiz.-matem. nauk;
FURDUYEV, V.V., doktor tekhn. nauk, prof.; ASHKENAZI, E.L.,
red.; SHKLYAR, S.Ya., tekhn. red.

[International electrotechnical vocabulary] Mezhdunarodnyi
elektrotekhnicheskii slovar'. Izd.2. Moskva, Glav. red.
inostr. nauchno-tekhn.slovarei Fizmatgiza. Group 08.[Electro-
acoustics] Elektroakustika. 1963. 140 p. (MIRA 17:2)

1. International Electrotechnical Commission. 2. Deystvitel'-
nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for
Furduyev).

RUSAKOV, I.G.

Conference of the special committee for preparation of
international recommendations on " Tables of measures and
units of the section " Sound." Izv.tekh. no.2:91-92 Mr-Ap '58.
(MIRA 11:3)
(London--Acoustical engineering--Standards)

RUSAKOV, I.G.

New state standards for acoustic units. Izv. tekhn. 20 no. 1:55-56
Ja '59. (MIRA 11:12)

(Sound--Measurement--Standards)

24,1700

31749
S/589/60/000/045/002/003
E195/E485

AUTHOR: Rusakov, I.G.

TITLE: Design of tubes for acoustic measurements in water

SOURCE: : USSR. Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta. no.45 (105). Moscow, 1960. Akusticheskiy i gidroakusticheskiye izmereniya. 51-62

TEXT: The author devotes this article to the problem of designing water tubes for the purpose of creating pure standing waves at average sound frequencies. The practical object of this exercise is to utilize these waves for the calibration of sound receivers in terms of acoustic pressure. A careful analysis of the problem shows that, provided an error of 2 to 5% can be tolerated, it is possible to obtain such, almost plane, waves. However, in order to achieve this a number of conditions must be satisfied. The most important of these conditions concerns determination of the internal pipe diameter. This must be chosen in such a way so as not to give rise to circumferential and transverse oscillations in the pipe wall caused by shell resonance. The condition for wall resonance is expressed by the equation:
Card 1/3

Design of tubes for acoustic ...

31749
S/589/60/000/045/002/003
E195/E485

$$f_o = \frac{1}{2\pi a} \sqrt{\frac{E}{\rho_1}}$$

and it corresponds to the conditions of coincidence between the circumferential length of inner cross-section of the pipe with the wavelength in the wall material. Thus the inner radius of the tube $a < c_1/2\pi f$. In the above equations f_o is the resonance frequency, E is the modulus of elasticity (Young's modulus), ρ_1 is the density of wall material, c_1 is the sound velocity in the wall and f the upper limit of frequency band. The thickness of the walls and the material from which they are constructed also play an important part here. Wall materials should have the elasticity modulus considerably greater than the modulus of the internal compression of water. Thus steel is an ideal material by virtue of its relatively high Young's modulus. The wall thickness should really be greater than the internal diameter of the pipe. Excessive wall thickness, however, could give rise to waves in the pipe shell itself. In practice, the wall thickness recommended for steel tubes should be approximately equal to the inner diameter. The same thickness

Card 2/3

31749

S/589/60/000/045/002/003

E195/E485

Design of tubes for acoustic ...

should be used for the bottom of the tube if it is to be considered as a closed end cylinder. There are 7 tables and 2 references: 1 Soviet-bloc and 1 non-Soviet-bloc. The reference to an English language publication reads as follows: Ref. 1: R.D.Fey, J. Amer. Acc. Soc., 24, 1952, 459.

4

Card 3/3

POKHOV, I.G.

International Commission of the International Standards Organization
and the International Electrotechnical Committee on acoustics
and electroacoustics. Izv. tskh. no. 6:62-63 Ja '60.

(PINA 14:2)

(Electroacoustics--Congresses)

(Acoustical engineering--Congresses)

GOLENKOV, A.N.; RUSAKOV, I.G.

Using optimum Rayleigh disks in measuring sound intensity in water.
Trudy inst.Kom.stand. mer i izm.prob. no.45:63-75 '60.

(MIRA 14:1)

(Sound--Measurement)

RUSAKOV, I.G.

Conference on Acoustics and Electroacoustics of the International
Standardization Organization and the International Committee of
Electric Engineering. Izv.tekh. no.10:62 0 '61. (MIRA 14:11)
(Acoustical engineering) (Electroacoustics)

RUSAKOV, I.G.

Expressions for and measurement of noise indices. Trudy
inst. Kom. stand., mer i izm. prib. no.73-13-19 '63.
(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fiziko-
tekhnicheskikh i radiotekhnicheskikh izmereniy.

GOLENKOV, A.N.; RUSAKOV, I.G.

Short method for calibrating hydrophones in a pipe-resonator
using a reciprocity technique. Trudy inst. Kom. stand., mer.
1 izm. prib. no. 61:58-63 '62. (MIRA 16:4)

(Sound--Apparatus)
(Underwater acoustics)

ARKHAROV, V.I.; KLOTSMAN, S.M.; TIMOFEYEV, A.N.; RUSAKOV, I.I.

Study of intercrystalline diffusion in metals and alloys. Issl. po
zharopr. splav. 3:113-118 ' 58. (MIRA 11:11)
(Diffusion) (Crystal lattices)

RUSAKOV, Il.

Type of articulation in construction of removable porcelain facet
with plastmass of rapid polymerization. Stomatologiya no.2:127 '54.
(REAL 3:7)

1. Zubolekar pri bolnitsata gr. Oriakhovo.
(CROWN AND BRIDGEWORK,
*facet crown, articulation)

RUSAKOV, I.M.; TRUKHALEV, A.I.

Ancient geological formations of the Zaryak Range and their place
and role in its geotectonic development. Uch. zap. NIIGA Reg.geol.
no.3:129-194 '64. (MIRA 18:10)

RUSSAKOV, I.M., inzh.

Economic effectiveness of using construction machines. Transp.
stroï. 13 no.10:47 0 '63. (MIRA 17:8)

RUSAKOV, I.M., inzh.

A technical and economic evaluation of the formwork used in-
the manufacture of reinforced concrete blocks. Transp. stroi.
12 no.3:40-42 Mr '62. (MIRA 16:11)

RUSAKOV, I.M., inzh.; TSAR'KOV, A.A., kand.tekhn.nauk

Study of flat hydraulic jacks. Bet.i zhel.-bet. 9 no.12:558-561 D '63.
(MIRA 17:2)

1. Ispolnyayushchiy obyazannosti zaveduyushchego kafedroy stroitel'stva
zheleznikh dorog Vs soyuznogo zaochnogo instituta inzhenerov zhelezn-
dorozhnogo transporta.

RUSAKOV, I.M.

Use of all-purpose reinforced concrete blocks for small
engineering structures. Uch.zap. VZIIIT no.13:152-175 '64.
(MIRA 19:1)

RUSAKOV, I.M., inzh.

Methods of calculating flat hydraulic jacks for the creation of
preliminary stresses in bridge elements. Trudy MIIT no.187:157-172
'64. (MIRA 18:7)

RUSAKOV, I.M.; TRUKHALEV, A.I.

Significance of the discovery of Triassic fauna in the eastern
part of the Koryak Range. Dokl.AN SSSR 145 no.2:394-395 J1 '62.
(MIRA 15:7)

1. Nauchno-issledovatel'skiy institut geologii Arktiki.
Predstavleno akademikom D.V.Nalivkinym.
(Koryak Range--Paleontology, Stratigraphic)